



Applied AI for Variation, Utilization & Hospital Ops

Open, interpretable ML built by clinicians
& data scientists. Validated by research.

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MISSION

We are on a mission to use better math to help healthcare enterprises improve quality of care at lower costs.

**BUILT BY DOCTORS, DATA SCIENTISTS & ENGINEERS.
POWERED BY MACHINE LEARNING.**



Predicting the future from your past data

With KenSci, healthcare organizations are able to gain insights on vital issues like who might get sick, what drives healthcare costs and how health systems can serve patients more efficiently across the continuum of care. KenSci ingests data from existing data sources such as EMR, claims data, finance & billing and other patient-generated sources to identify patterns and areas that are most susceptible to risk.



AI platform built for healthcare

The KenSci model bank dynamically selects from a range of healthcare-specific Machine Learning (ML) models developed on multi-terabyte datasets to provide statistically significant outcomes. Customizable apps, HL7 and other format-compliant APIs provide predictive and prescriptive insights that are then inserted directly into clinical workflows and EMR systems.



Moving away from blackbox AI

KenSci is among the pioneers and proponents of Interpretable & Explainable AI in Healthcare. Data Scientists and Machine Learning experts are now relying on Interpretable ML models to provide deeper understanding to the outcomes delivered by the models. A big reason for skepticism towards machine learning has been the black box nature of machine learning - interpretable ML addresses this problem by not only providing predictions, but also giving reasons for those predictions.

Delivered as a SaaS platform, KenSci leverages a fully managed, secure, and hybrid architecture optimized for critical healthcare workloads. KenSci's platform and solutions deliver cloud scale, enterprise grade security, while working within all healthcare data compliances and standards. Importantly, the platform and solutions are deployed with agile practices to keep pace with the rapidly evolving healthcare market.

END-TO-END SOLUTION



Beaumont



The KenSci platform delivers end-to-end care.

ACROSS SUITES THAT COVER THE SPECTRUM OF HEALTHCARE

Patient Flow



Population Health & Disease Management



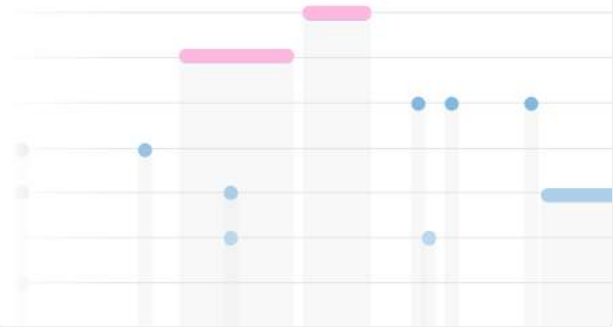
Cost & Utilization



KenSci .AI

ML POWERED RISK PREDICTION SOLUTION

ML model library and assembly, visualization, reports, alerts and APIs for CFO, Medical Directors, Population Health Managers and Case Managers.



KenSci .IO

ML-READY INTEGRATED DATA NETWORK

Ingests and assembles data catalog from Claims, CRM, Psychosocial, G&A, EHR and patient-generated data sources.



OUR ROBUST PARTNER NETWORK BRINGS HEALTHCARE AI TO THE FOREFRONT.



AI driven healthcare transformations



HOW CAN WE PREVENT PATIENTS FROM COMING BACK IN 30 DAYS?

Risk of Readmission Prediction

A leading government health system was concerned about the 30-day readmissions of their patients, especially the ones with CHF. To identify who was at the most risk of revisiting the hospital in 30 days, KenSci was brought in to develop a **Machine Learning based solution that could identify the patients at the most risk of returning, in turn helping them save costs.**

CAN WE SUBSTITUTE HIGH COST DRUGS WITH GENERIC VARIANTS?

Rx Cost Prediction

A large health system based in the Midwest had their internal utilization pharmaceutical costs at over \$90 million annually. They wanted to explore a means to use ML to reduce their costs by exploring generic substitutions for branded drugs. With KenSci's platform, the health system is able to anticipate future drug growth, potentially prevent excess spend, and reduce variation in pharmaceutical utilization. **\$6M has been identified in savings, with \$3.6M identified in 12 months from the top 10 prescription drugs.**

EVERY PATIENT IS IMPORTANT. HOW CAN WE SEE THEM ALL?

Left Without Being Seen Prediction

A Chicago based academic medical center was trying to identify a means to reduce the number of patients who left the hospital without having seen a doctor. Through the course of engagement and by using the KenSci platform, it was observed that they might be able to **reduce the LWBS rate from 4.4% to 2.0% and recover \$1.4m/year in lost charges.**

VOICE OF THE INDUSTRY

“KenSci’s ability to leverage artificial intelligence for healthcare and seamlessly connect Microsoft’s cloud and data services and our legacy data platforms has **helped us accelerate our journey from BI to AI to ROI.**”

Dr. Shafiq Rab, CIO
Rush University Medical Center

RECOGNIZED BY LEADING ANALYSTS

Cynthia Burghard,
Research Director
IDC

“...Clients of KenSci repeatedly called out **their experience with KenSci is that of a true partnership** and as such have not experienced typical vendor challenges.

One of KenSci's strengths cited by clients is the company's **deep understanding of the Azure platform** as well as how to optimize the platform for KenSci products.”

AWARDS

2018 Health Innovation Award

Artificial Intelligence & Machine Learning



2018 Leaders in Healthcare Award

Achievement in Digital Health Care



2018 Partner of the Year Finalist

Artificial Intelligence & Machine Learning



MEDIA COVERAGE

Forbes

THE
HUFFINGTON
POST

FORTUNE

Harvard
Business
Review

The Seattle Times

GeekWire

